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ASSISTANT COMMISSIONER FOR PATENTS
APPLICATION
Washington, D.C. 20231

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Transmitted herewith for filing is the Patent Application of:

Inventors: Maged M. Michael, Ashwini Nanda and T. Basil Smith III

ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE RESIDENCE: Armonk, New York

For: STATE-BASED ALLOCATION AND REPLACEMENT FOR IMPROVED HIT RATIO IN DIRECTORY CACHES

Enclosed are:

- ☒ Seven (7) Sheets of Drawings.
- ☒ An assignment of the invention to International Business Machines Corporation, Armonk, New York 10504 with attached assignment recordation form cover sheet.
- ☐ Certified copy of application
- ☒ An signed Declaration and Power of Attorney is attached to the application.
- ☐ Associate Power of Attorney.
- ☒ Information Disclosure Statement with form PTO-1449 and references attached.

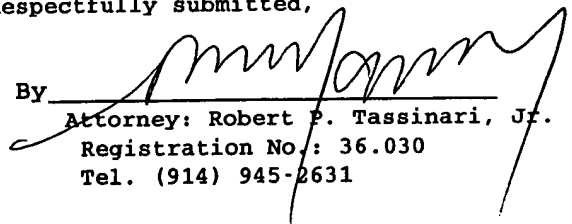
The filing fee has been calculated as shown below:

| (Col. 1) | | (Col. 2) | OTHER THAN A SMALL ENTITY | |
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| FOR: | NO. FILED | NO. EXTRA | RATE | FEE |
| BASIC FEE | | | | \$ 710.00 |
| TOTAL CLAIMS | 26 - 20 = | 6 | X \$ 18 = | \$ 108.00 |
| INDEP CLAIMS | 6 - 3 = | 3 | X \$ 80 = | \$ 240.00 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED | | | + \$270 = | \$ 0.00 |
| | | | TOTAL | \$ 1058.00 |

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- ☒ Please charge my Deposit Account No. 09-0468 in the amount of \$ 1058.00.
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- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By 
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In re application of: Maged M. Michael et al
Serial No.:
Filed: Herewith

Group No.
Examiner:

For: **STATE-BASED ALLOCATION AND REPLACEMENT
FOR IMPROVED HIT RATIO IN DIRECTORY CACHES**

Assistant Commissioner for Patents and Trademarks
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

Express Mail Label Number EL 715831383 US
Date of Deposit March 7, 2001

I hereby certify that the attached paper or fee

Return Post Card
Transmittal Sheet
Application with 7 attached drawings
Declaration and Power of Attorney
Recordation Sheet with attached Assignment
Information Disclosure Statement with form 1449 and references

is being deposited with the United States Postal Service - Express Mail Post Office to
Addressee - service under 37 CFR 1.10 on the date indicated above and is addressed
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Emily S. Forbes

(Name)

Emily S. Forbes

Signature

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Docket No. YOR919990425